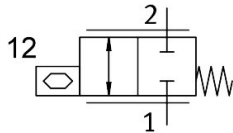


Piezo valve

VEAE-BB-6-12-D9-X4

Part number: 8078916

FESTO



Data sheet

Feature	Value
Valve function	2/2, closed, monostable
Flow direction	Non-reversible
Type of control	Direct
Reset method	Mechanical spring
Actuation type	Electrical
Mounting position	Any
Width dimension	20.5 mm
Sealing principle	Soft
Nominal width	1.2 mm
Total leakage	0.4 l/h
Ambient temperature	-10 °C...60 °C
Temperature of medium	-10 °C...60 °C
Storage temperature	-20 °C...70 °C
Relative air humidity	0 - 60 % Non-condensing
Pressure dew point	-20 °C
Dimensions W x L x H	64 mm x 24 mm x 12 mm
Pneumatic connection 1	Flange
Pneumatic connection 2	Flange
Seals material	EPDM
Type of mounting	With through-hole
Operating pressure	0 MPa...0.6 MPa 0 bar...6 bar 0 psi...87 psi
Nominal operating pressure	0.5 MPa 5 bar 72.5 psi
Burst pressure	2.5 MPa 25 bar 362.5 psi
Duty cycle	100%
Standard nominal flow rate	50 l/min...60 l/min
Note on standard nominal flow rate	Production-related distribution

Feature	Value
Product weight	10 g
Medium	Compressed air as per ISO 8573-1:2010 [5:3:1] Inert gas Oxygen (oxygen applications according to IEC 60601-1 only on request)
Information on medium	Operation with oil lubrication not possible
Grade of filtration	5 µm
Special features	Oxygen-compatible as per DIN EN 1797
Degree of protection	IP40
Note on degree of protection	In mounted state
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
DC operating voltage range	0 V...300 V
Nominal operating voltage DC	300 V
Max. current consumption	11 mA
Max. switching frequency	12 Hz
Max. electrical power consumption	0.1 W
Electrical connection	3-pin Plug Flexible circuit board connector, RM 2.5 mm
Housing material	PA-reinforced
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Oxygen suitability according to standard	ASTM G 63 ASTM G 93 ISO 15001
Biocompatibility according to standard	ISO 18562